

## WHAT IS CLAIMED IS:

## 1. A portable apparatus comprising:

an LED display panel which is arranged in a display window formed on a surface of  
5 a casing accommodating electronic components and which has a plurality of  
light-emitting diodes (LEDs) outwardly projecting light and matrix-arranged in a plane;

a display control unit controlling display of said plurality of light-emitting diodes of  
said LED display panel on the basis of input display data;

a main control unit outputting said display data displayed on said LED panel to said  
10 display control unit; and

a battery supplying power to said LED display panel, the display control unit and the  
main control unit.

## 2. A portable apparatus comprising:

15 a hinge coupling an end of an operation-side casing having an operation part and an  
end of a display-side casing having a main display part with each other for pivotable  
movement thereof;

an LED display panel which is arranged in a display window formed on a casing  
surface of said display casing side other than a surface provided with the main display  
20 part and which has a plurality of light-emitting diodes (LEDs) outwardly projecting light  
and matrix-arranged in a plane;

a display control unit controlling display of said plurality of light-emitting diodes of  
said LED display panel on the basis of input display data;

a main control unit outputting said display data displayed on said LED panel to said  
25 display control unit; and

a battery supplying power to said LED display panel, the display control unit and the main control unit.

3. The portable apparatus according to claim 2, wherein the battery is provided in the  
5 operation-side casing.

4. The portable apparatus according to claim 2, wherein, at a normal time, the main display part is provided on a surface of said display-side casing facing said operation-side casing when the operation-side casing and the display-side casing are in their closed  
10 position and the LED display panel is provided on a surface of said display-side casing opposed to the surface provided with the main display part, while said display-side casing is configured to be rotatable by at least 180° about a direction perpendicular to the core of a hinge axis.

15 5. The portable apparatus according to claim 1 or 2, having a camera imaging an object and an operation part photographically operating said camera, wherein the LED display panel is so arranged that said plurality of light-emitting diodes project light in a direction to which said camera is directed in operation of said camera and the display control unit controls lighting of said plurality of light-emitting diodes in association with a  
20 photographic operation of said camera.

6. The portable apparatus according to claim 5, wherein the display control unit controls display of a luminescent color of said plurality of light-emitting diodes to white or another luminescent color.

7. The portable apparatus according to claim 5, wherein the display control unit controls lighting of a previously set number of the light-emitting diodes.

8. The portable apparatus according to claim 5, having a photosensor sensing ambient brightness, wherein the display control unit controls lighting of the light-emitting diodes of a number corresponding to brightness sensed by said photosensor.

9. The portable apparatus according to claim 1 or 2, wherein the LED display panel is detachably arranged in the display window.

10. The portable apparatus according to claim 9, wherein the portable apparatus is capable of substitutionally arranging another LED display panel performing display of a different luminescent color in the display window.

11. The portable apparatus according to claim 2, having an operation key operable in a state that the operation-side casing and the display-side casing are in their closed position, wherein the main control unit switches display contents of the LED display panel by operation of said key.

12. The portable apparatus according to claim 1 or 2, wherein the LED display panel has a lattice plate having a plurality of latticelike holes formed on said plurality of light-emitting diodes arranged in a matrix in coincidence with the arrangement of said plurality of light-emitting diodes, and said plurality of light-emitting diodes outwardly project light through the holes of said lattice plate.

13. The portable apparatus according to claim 12, wherein the LED display panel has a diffusion sheet diffusing light on the lattice plate, and said plurality of light-emitting diodes outwardly project light through the holes of said lattice plate and the diffusion sheet.

5

14. The portable apparatus according to claim 13, wherein the diffusion sheet is a colored diffusion sheet.

10

15. The portable apparatus according to claim 1 or 2, having a speaker generating a warning sound by operation, wherein the display control unit controls display of said plurality of light-emitting diodes of the LED display panel in association with said operation.